

CLAIMS

I claim:

1. A truck-mounted escalator comprising:
 - a truck having conventional motor, battery, steering, electrical, rotary, and braking components and formed with a cab and a flat bed extending rearward from said cab;
 - a hydraulic lift connected to said bed of said truck;
 - a support pad connected to said bed of said truck;
 - a pivot hinge connected to said bed of said truck;
 - an escalator unit having a first end, a second end, a top, a bottom, and a plurality of steps, and connected on said bottom to said hydraulic lift and said pivot hinge;
 - a cab control unit connected to said cab of said truck and electrically connected to said escalator unit; and
 - a rear control unit connected to said bed of said truck and electrically connected to said escalator unit.
2. The truck-mounted escalator of claim 1 further comprising:
 - a first bumper connected to said cab of said truck; and
 - a second bumper connected to said first end of said escalator unit wherein said second bumper would come in contact with said first bumper when said escalator unit was lowered into a horizontal position on said bed of said truck.
3. The truck-mounted escalator of claim 1 wherein said hydraulic lift is mounted on said truck at the junction of said cab with said bed of said truck.
4. The truck-mounted escalator of claim 1 wherein said bed of said truck has a front end connected to said cab of said truck, a center, and a rear end and said pivot hinge is connected to said rear end of said bed of said truck.
5. The truck-mounted escalator of claim 4 wherein said support pad is located on said center of said bed of said truck and would support said bottom of said escalator unit when said escalator unit is placed in a horizontal position.

6. The truck-mounted escalator of claim 1 wherein said hydraulic lift, said cab control unit, and said rear control unit are wired to draw electrical power from said battery component of said truck.
7. The truck-mounted escalator of claim 1 wherein said escalator unit is formed similarly to a conventional escalator with an electrical motor driven assembly responsible for moving said steps.
8. The truck-mounted escalator of claim 7 wherein said electrical motor driven assembly is capable of moving said steps in a first direction and in a reverse direction from said first direction.
9. The truck-mounted escalator of claim 7 wherein said electrical motor driven assembly is wired to draw electrical power from said battery component of said truck.
10. The truck-mounted escalator of claim 1 wherein said escalator unit is formed with a handrail extending upwards from said bottom of said escalator unit.
11. The truck-mounted escalator of claim 1 wherein said cab control unit and said rear control unit are both electrically wired to control said escalator unit and said hydraulic lift wherein either said cab control unit or said rear control unit could be used to manipulate said hydraulic lift and said escalator unit.
12. A truck-mounted escalator comprising:
 - a truck having conventional motor, battery, steering, electrical, rotary, and braking components and formed with a cab having a rear riser with a bumper and a flat bed extending rearward from said cab;
 - a hydraulic lift connected to said bed of said truck;
 - a support pad connected to said bed of said truck;
 - a pivot hinge connected to said bed of said truck;
 - an escalator unit containing and driven by an electrical motor assembly and having a first end, a second end, a top, a bottom, a plurality of steps, a bumper on said first end, and a flip down step on said second end, and connected on said bottom to said hydraulic lift and said pivot hinge;

a cab control unit connected to said cab of said truck and electrically connected to said escalator unit; and

a rear control unit connected to said bed of said truck and electrically connected to said escalator unit.

- 5 13. The truck-mounted escalator of claim 12 wherein said hydraulic lift is mounted on said truck at the junction of said cab with said bed of said truck.
14. The truck-mounted escalator of claim 12 wherein said bed of said truck has a front end connected to said cab of said truck, a center, and a rear end and said pivot hinge is connected to said rear end of said bed of said truck.
- 10 15. The truck-mounted escalator of claim 14 wherein said support pad is located on said center of said bed of said truck and would support said bottom of said escalator unit when said escalator unit is placed in a horizontal position.
16. The truck-mounted escalator of claim 12 wherein said hydraulic lift, said cab control unit, and said rear control unit are wired to draw electrical power from
- 15 said battery component of said truck.
17. The truck-mounted escalator of claim 12 wherein said electrical motor assembly is capable of moving said steps in a first direction and in a reverse direction from said first direction.
18. The truck-mounted escalator of claim 12 wherein said electrical motor assembly is
- 20 wired to draw electrical power from said battery component of said truck.
19. The truck-mounted escalator of claim 12 wherein said escalator unit is formed with a handrail extending upwards from said bottom of said escalator unit.
20. The truck-mounted escalator of claim 12 wherein said cab control unit and said
- 25 rear control unit are both electrically wired to control said escalator unit and said hydraulic lift wherein either said cab control unit or said rear control unit could be used to manipulate said hydraulic lift and said escalator unit.